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199106

SEARCH REQUEST FORM

2600

Scientific and Technical Information Center

Requester's Full Name Zele Krista Examiner #: 67644 Date: 08/22/2006

Art Unit: 2600 Phone Number 2-7288 Serial Number 09/474,479

Mail Box Location: Jeff 2d 65

Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

Litigation
Patent no. 5,703,646

STAFF USE ONLY

Type of Search

Vendors and cost where applicable

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Searcher Phone #: <u>2-4235</u>	AA Sequence (#) _____	Dialog _____
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Date Completed: <u>8/22/06</u>	Litigation _____ *	Lexis/Nexis _____ *
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Reissue application 09/474,479 and patent 5,703,646

Reissue application 10/762,188 and patent 6,081,491

Pamela

on behalf of STIC-PIA


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To whom it may concern at EIC: Please help me with an updated litigation search for the following reissue and its corresponding patent: Reissue application 10/970,852 and patent 6,469,996. Please e-mail me when the litigation search has been completed so that I can come pick it up. If you need any other information, please e-mail me or call me at the number below.

Thank you! Krista Zele PRE, TC 2600 EF- 2D61
571-272-7288

Query/Command : prt max legalall


1 / 1 PLUSPAT - ©QUESTEL-ORBIT - image

PN -  US5703646 A 19971230 [US5703646]
TI - (A) Picture encoding method, picture encoding apparatus and picture recording medium
PA - (A) SONY CORP (JP)
PA0 - Sony Corporation, Tokyo [JP]
IN - (A) ODA TSUYOSHI (JP)
AP - US77059396 19961219 [1996US-0770593]
FD - Cont. of US351262 19950208 [1995US-0351262] (Abandoned)
PR - JP10594393 19930409 [1993JP-0105943]
US35126295 19950208 [1995US-0351262]
US77059396 19961219 [1996US-0770593]
IC - (A) H04N-007/18
ICAA - G06T-009/00 [2006-01 A - I R M EP]; H04N-007/26 [2006-01 A - I R M EP];
H04N-007/30 [2006-01 A - I R M EP]; H04N-007/46 [2006-01 A - I R M EP];
H04N-007/50 [2006-01 A - I R M EP]; H04N-009/804 [2006-01 A - I R M EP]
H04N-005/781 [2006-01 A - N R M EP]; H04N-005/85 [2006-01 A - N R M
EP]
ICCA - G06T-009/00 [2006 C - I R M EP]; H04N-007/26 [2006 C - I R M EP]; H04N-
007/30 [2006 C - I R M EP]; H04N-007/46 [2006 C - I R M EP]; H04N-007/50
[2006 C - I R M EP]; H04N-009/804 [2006 C - I R M EP]
H04N-005/781 [2006 C - N R M EP]; H04N-005/84 [2006 C - N R M EP]
EC - H04N-007/26A10T
H04N-007/26A4C2
H04N-007/26A6E4G
H04N-007/26L2
H04N-007/30
H04N-007/46A
H04N-007/46E
H04N-007/50
H04N-007/50E5F
H04N-007/50E5L
H04N-007/50R
H04N-009/804B
ICO - T04N-005/781
T04N-005/85
PCL - ORIGINAL (O) : 375240130; CROSS-REFERENCE (X) : 375240030
375240180
DT - Basic
CT - US5038209; US5136377; US5231484; US5287200; US5379355; US5396567;
US5404168; US5410351; US5426463; US5434623; US5461422; EP0475251
A2; EP0493130 A; EP0509576 A; EP0535960 A
Proceedings of the Picture Coding Symposium (PCS), Lausanne, Mar. 17-19,
1993, No.-, 17 Mar. 1993 Swiss Federal Institute of Technology, pp. 19.3/A-
19.3/B, XP 000346426 Nicoulin A. et al *Feed-Back Free Rate Control for


Digital Video Coding* * p. 19.3.A, right column, last paragraph -p. 19.3.B. left column, paragraph 1*.

- STG** - (A) United States patent
- AB** - This invention employs a scheme to allow an input video signal to undergo encoding, e.g., predictive encoding, DCT processing, quantization at fixed quantization step size and variable length encoding to generate first encoded data to determine (calculate) allocated code quantity every frame or every GOP on the basis of data quantity every predetermined time, e.g., every frame or every GOP of the first encoded data and total quantity of usable data to encode the input video signal every predetermined time on the basis of the allocated code quantity to generate second encoded data. Thus, variable rate encoding such that encoding rate changes every predetermined time is realized. As a result, even if pictures (frames) of complicated are successive, there is no possibility that quantization step size is caused to be large with respect to these pictures as in the conventional apparatus. Thus, uniform high picture quality can be obtained through the entirety. Further, since second encoded data obtained in a manner as described above has variable rate, in the case where such encoded data is recorded onto picture recording media, limited memory capacity can be effectively used, and recording time of picture recording media can be prolonged. In addition, picture data of high picture quality uniform over the entirety can be reproduced from the picture recording media.

1 / 1 LGST - ©EPO

- PN** -  US5703646 A 19971230 [US5703646]
- AP** - US77059396 19961219 [1996US-0770593]
- ACT** - 20020507 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 19991229
- UP** - 2003-22

1 / 1 CRXX - ©CLAIMS/RRX

- PN** -  5,703,646 D 19971230 [US5703646]
- PA** - Sony Corp JP
- ACT** - 19991229 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20020507
REISSUE REQUEST NUMBER: 09/474479
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2713

Reissue Patent Number:

Search statement 3

LEVEL 1 - 1 OF 1 PATENT

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5703646

December 30, 1997

Picture encoding method, picture encoding apparatus and
picture recording medium

REISSUE: December 29, 1999 - Reissue Application filed Ex. Gp.: 2713; Re. S.N.
09/474,479 (O.G. May 7, 2002)

APPL-NO: 770593 (08)

FILED-DATE: December 19, 1996

GRANTED-DATE: December 30, 1997

CORE TERMS: encoding, picture, quantity, predictive, quantization, processing,
input, bit, encoded, video signal ...

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5,703,646 OR 5703646

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5,703,646 OR 5703646

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